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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,838	06/24/2003	Birthe Lykkegaard Hansen	6423.404-US	9325
23650 NOVO NORDI	7590 09/03/200 SK, INC.	EXAMINER		
INTELLECTUA	AL PROPERTY DEPA	HA, JULIE		
100 COLLEGE ROAD WEST PRINCETON, NJ 08540			ART UNIT	PAPER NUMBER
			1654	
			NOTIFICATION DATE	DELIVERY MODE
			09/03/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/602,838	HANSEN ET AL.	
Examiner	Art Unit	
JULIE HA	1654	

J	ULIE HA	1654	
The MAILING DATE of this communication appear	s on the cover sheet with the	correspondence add	ress
THE REPLY FILED <u>05 August 2008</u> FAILS TO PLACE THIS APP		-	
 The reply was filed after a final rejection, but prior to or on thapplication, applicant must timely file one of the following repapplication in condition for allowance; (2) a Notice of Appeal for Continued Examination (RCE) in compliance with 37 CFF periods: 	e same day as filing a Notice of olies: (1) an amendment, affidav (with appeal fee) in compliance	Appeal. To avoid abar it, or other evidence, w with 37 CFR 41.31; or	which places the (3) a Request
a) \boxtimes The period for reply expires <u>6</u> months from the mailing date of	the final rejection.		
b) The period for reply expires on: (1) the mailing date of this Advino event, however, will the statutory period for reply expire late Examiner Note: If box 1 is checked, check either box (a) or (b). MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).	r than SIX MONTHS from the mailin	g date of the final rejectio	on.
Extensions of time may be obtained under 37 CFR 1.136(a). The date on have been filed is the date for purposes of determining the period of exten under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the sho set forth in (b) above, if checked. Any reply received by the Office later that may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	sion and the corresponding amount rtened statutory period for reply orig	of the fee. The appropria inally set in the final Office	ate extension fee be action; or (2) as
2. The Notice of Appeal was filed on <u>05 August 2008</u> . A brief in date of filing the Notice of Appeal (37 CFR 41.37(a)), or any Since a Notice of Appeal has been filed, any reply must be f AMENDMENTS	extension thereof (37 CFR 41.3	7(e)), to avoid dismiss	al of the appeal.
3. The proposed amendment(s) filed after a final rejection, but	prior to the date of filing a brief	will not be entered be	icalise
(a) They raise new issues that would require further consi	deration and/or search (see NO		cause
(b) They raise the issue of new matter (see NOTE below)			
(c) ☐ They are not deemed to place the application in better appeal; and/or	form for appeal by materially re	ducing or simplifying th	ne issues for
(d) ☐ They present additional claims without canceling a cor	responding number of finally rej	ected claims.	
NOTE: (See 37 CFR 1.116 and 41.33(a)).			
 The amendments are not in compliance with 37 CFR 1.121. Applicant's reply has overcome the following rejection(s): 		mpliant Amendment (I	PTOL-324).
6. Newly proposed or amended claim(s) would be allow		timely filed amendmer	nt canceling the
non-allowable claim(s). 7. ☐ For purposes of appeal, the proposed amendment(s): a) ☐ how the new or amended claims would be rejected is provide	•	ll be entered and an ex	xplanation of
The status of the claim(s) is (or will be) as follows:			
Claim(s) allowed: Claim(s) objected to:			
Claim(s) rejected: <u>1-4,6,7,11,14-19,21-26 and 29-31</u> . Claim(s) withdrawn from consideration:			
AFFIDAVIT OR OTHER EVIDENCE			
8. The affidavit or other evidence filed after a final action, but b because applicant failed to provide a showing of good and s was not earlier presented. See 37 CFR 1.116(e).			
9. The affidavit or other evidence filed after the date of filing a lentered because the affidavit or other evidence failed to ove showing a good and sufficient reasons why it is necessary a	rcome <u>all</u> rejections under appea	al and/or appellant fails	s to provide a
10. ☐ The affidavit or other evidence is entered. An explanation of REQUEST FOR RECONSIDERATION/OTHER	of the status of the claims after e	ntry is below or attache	ed.
11. The request for reconsideration has been considered but d Please see continuation of 11 below.	oes NOT place the application in	ո condition for allowan	ce because:
12. ☐ Note the attached Information <i>Disclosure Statement</i> (s). (P1 13. ☐ Other:	ΓΟ/SB/08) Paper No(s)		
/J. H./ Examiner, Art Unit 1654	/Anish Gupta/ Primary Examiner, Art U	Jnit 1654	

Continuation of 11: Rejection of claims 10 and 12-13 are hereby withdrawn in view of Applicant's cancellation of calims 10 and 12-13.

Claims 1-4, 6-7, 11, 14-19, 21-26 and 29-31 remain rejected under 35 U.S.C. 103(a) as being unpatentable over The Medicine Catalogue (Laegemiddel Kataloget) in view of Pingel et al (US Patent No. 6,903,069) and Johannessen et al (WO 01/82943) and Perez Garcia (US Patent No. 2,145,869) as set forth in the previous office action.

Applicant argues that "the present invention is directed to a "composition that comprises a calcium salt in a concentration of at least 200 mM, such that the composition is hypertonic." In contrast, neither The Medicine Catalogue or Johannessen teach or suggest a composition comprising anywhere near the amount of 29.4 mg/ml of CaCl2...the present invention is based on the discovery that such "hypertonic" compositions dramatically results in a decreased formation of heavy chain gragments during storage for as long as six months....the present invention is not based upon the optimization of known ranges within the art by routine experimentation, but instead the discovery of a critical aspect of maintaining the stability of such Factor VII formulations."

Applicant's arguments have been fully considered but have not been found persuasive because both The Medicine Catalogue and Johannessen teach that calcium or other divalent metal ions are necessary for the maintenance of the FVIIa activity. Since the calcium or other divalent metal ions are necessary for the maintenance of the FVIIa activity, and is required in an amount more than 0.15 mg/ml, and The Medicine Catalogue utilized 1.5 mg of CaCl2, it would have been obvious to one of ordinary skill in the art to optimize the amount or the concentration of the calcium chloride to optimize the activity of the FVIIa. All references teach utilizing different concentrations of CaCl2 in the formulation. Furthermore, Johannessen does not give an upper limit for the CaCl2 concentration, therefore, one of ordinary skill in the art would have been motivated to try the highest concentration of CaCl2 (saturation point) and work down from that point to optimize the concentration. One of ordinary skill in the art would be motivated to optimize the concentration of the divalent metal, since the normal desire of an artisan it to optimize or improve upon what is generally known through routine optimization. There is a reasonable expectation of success, since both the Medicine Catalogue and Johannessen teach that CaCl2 maintained the activity of FVIIa, thus optimizing the CaCl2 concentration would at least optimize the FVIIa activity.

Conclusion

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JULIE HA whose telephone number is (571)272-5982. The examiner can normally be reached on Mon-Thurs, 5:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on 571-272-0562. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.